



IN REPLY  
REFER TO

DEFENSE LOGISTICS AGENCY  
DEFENSE REUTILIZATION AND MARKETING OFFICE-ROCK ISLAND  
ROCK ISLAND ARSENAL, BUILDING 154  
ROCK ISLAND, ILLINOIS 61299-7030

RECEIVED  
WMD RCRA  
RECORD CENTER

2-21-93

Comp

28 February 1990

RECEIVED  
MAR 02 1990  
U.S. EPA, REGION V  
WASTE MANAGEMENT DIVISION  
OFFICE OF THE DIRECTOR

DRMO-XCI

SUBJECT: Soft Hammer Certification and Demonstration

TO: U.S. Environmental Protection Agency  
Regional Administrator  
Waste Management Division  
230 South Dearborn Street  
Chicago, IL 60604

1. Enclosed please find copies of certification and demonstration forms for waste benzenesulfonyl chloride, EPA Code U020, and waste sulfuric acid dimethyl ester, EPA Code U103, shipped for disposal from the Rock Island Arsenal.

*R.S. Leaf*  
R.S. LEAF  
Chief

cc SMCRI-SEM

US EPA RECORDS CENTER REGION 5



1000545



## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

### THERMAL DESTRUCTION

#### Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

#### I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL3329233 (90017)  
Address Rock Island, IL 61299-7030 EPA ID# IL 5210021833

Waste stream: Benzenesulfonyl chloride  
Quantity shipped: 15 LBS  
TSDF: GSX Services, Reidsville, NC  
US EPA Hazardous Waste Code(s): U020

#### II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

#### III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a) (1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

DRMS Headquarters, Battle Creek, Michigan  
Name Nancy Rheume

Signature Richard F. Gendernalik Date 160289

Prepared by R. Gendernalik DRMS-H Telephone # 616-961-5911

This demonstration/certification has been provided to me by the above signed DRMS representative. I am providing copies as required by 40 CFR 268.8.

#### DRMO Representative

Name William L. Lafrenz  
Telephone # (309) 782-1619

Signature William L. Lafrenz



## FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Belinda Wright  
Title Customer Service Rep  
Company ThermalKem [Incinerate]  
Address Rock Hill, SC  
Telephone # 803-324-9690

Date of 2 FEB 1989  
Contact

=====

Official John P. Nerger  
Title Customer Service Rep  
Company Marisol Inc. [recycle , recovery]  
Address Middlesex, NJ  
Telephone # 201-469-5100  
Date of 13 MAR 1989  
Contact

=====

Official Roland Cain  
Title Sales Rep  
Company Rollins [Incineration]  
Address Deer Park, Texas  
Telephone # 713 479 6001  
Date of 12 JUN 89  
Contact



## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

## THERMAL DESTRUCTION

### Comments

DUE TO THE SMALL QUANTITY GENERATED, DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

### I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL332 9233(90017)  
Address Rock Island, IL 61299-7030 EPA ID# IL5210021833

Waste stream: Sulfuric Acid, Dimethyl Ester

Quantity shipped: 15 LBS

TSD#: GSX Services, Reidsville, NC 27320

US EPA Hazardous Waste Code(s): U103

### II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

### III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

DRMS Headquarters, Battle Creek, Michigan

Name Nancy Rheame

Signature Nancy Rheame

Date 16 Jun 89

Prepared by L. Palmer

DRMS-H Telephone # 616-961-5912

This demonstration/certification has been provided to me by the above signed DRMS representative. I am providing copies as required by 40 CFR 268.8.

DRMO Representative

Name William L. LaFrenz

Signature William L. LaFrenz

Telephone # (309) 782-1619



## FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Patti Hart

Title Customer Service Rep

Company Chem Waste Mgmt [Incinerate]

Address Oakbrook, IL

Telephone # 312-218-1562

Date of Contact 16 Feb 1989

=====

Official Mary Jones

Title Customer Service Rep

Company Chem Waste (Solvent Rec Recovery) [No Fuels Blending]

Address Xenia, Ohio Landfill

Telephone # 513-859-6101

Date of Contact 16 FEB 1989

=====

Official Mary Steinborn

Title Gov't Billing Administrator

Company Waste Conversion Inc. [Incineration]

Address Hatfield, PA

Telephone # 215-822-2676

Date of Contact 17 FEB 1989



1L5210 021 833



**DEFENSE LOGISTICS AGENCY**  
**DEFENSE REUTILIZATION AND MARKETING SERVICE**  
**DEFENSE REUTILIZATION AND MARKETING OFFICE**  
**ROCK ISLAND**  
**ROCK ISLAND ARSENAL**  
**BUILDING 154**  
**ROCK ISLAND, IL 61299-7030**

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2-27-93  
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IN REPLY  
REFER TO

DRMD-XCI

20 April 1990 O. WMD  
CC: RF

SUBJECT: Soft Hammer Certification and Demonstration

TO: U.S. Environmental Protection Agency  
Regional Administrator  
Waste Management Division  
230 South Dearborn Street  
Chicago, IL 60604

1. Enclosed please find copies of certification and demonstration forms for 13 line items of laboratory chemicals shipped for disposal from the Rock Island Arsenal. The following EPA Codes are included: P011, P012, U003, U019, U031, U041, U070, U165, U188, U196, U209, U211, U239.

*R.S. Leaf*  
R.S. LEAF  
Chief

cc SMCRI-SEM

RECEIVED

APR 23 1990

U. S. EPA REGION 5  
OFFICE OF REGIONAL ADMINISTRATOR



TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

THERMAL DESTRUCTION

Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL 3329263-C  
Address BLDG 154, Rock Island, IL 61299 EPA ID# IL5210021833  
Telephone No. 309-782-1619

Waste stream: Arsenic Pentoxide  
Quantity shipped: 1 PINT  
TSDF: GSX Services, Reidsville, NC  
US EPA Hazardous Waste Code(s): P011

II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a) (1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORR Signature William S. Shorr Date 4/18/92  
(309) 782 7855



## FACILITIES CONTACTED

1. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Jenny Henson

Title Customer Service Rep

Company Ensco

Address 1015 Louisiana St. Little Rock, AR 72202

Telephone No. 501-223-4115

Date of Contact 17 FEB 1989

Method Incineration

Official Steve Bergenson

Title Customer Service Rep

Company Rollins

Address 2027 Battleground Rd, Deer Park, TX 77536

Telephone No. 713-479-6001

Date of Contact 17 FEB 1989

Method No can not accept

Official Pat Kerwood

Title Customer Service Rep

Company CWM Kettleman Hills

Address 35251 Old Skyline Rd, Kettleman City, CA

Telephone No. 415-651-2964

Date of Contact 17 Feb 1989

Method Incineration



2-21-93  
Comp

TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen.

THERMAL DESTRUCTION

Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

I. Generator Identification Information

Name Rock Island Arsenal Manifest No. FL 3329263-C  
Address BLDG. 154, Rock Island, IL EPA ID# FL5210021233  
Telephone No. 309-782-1619  
Waste stream: Arsenic trioxide  
Quantity shipped: 12 OZ  
TSDF: GSX Redsville, NC  
US EPA Hazardous Waste Code(s): P012

II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORE Signature William S. Shore Date 4/15/90  
(309) 782-7815



## FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Bob Williams

Title Lab Supervisor

Company Rollins Environmental [incineration]

Address Deer Park, Texas

Telephone No. 713-479-6001

Date of Contact 29 December 1988

Official Jenny Henson

Title Customer Sales Rep

Company ENSCO [incineration]

Address El Dorado, Arkansas

Tele # 501/223-4115

Date of Contact 9 Dec 1988

Official Sue Abraham

Title Sales Representative

Company Chem Waste-Model City [incineration]

Address Model City, NY

Telep # 716/754-8251

Date of Contact 14 October 1988



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## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

## THERMAL DESTRUCTION

### Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

### I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL3329261-B  
Address BLDG 154, Rock Island, IL 61299 EPA ID# IL5210021833  
Telephone No. 309-782-1619

Waste stream: Acetonitrile  
Quantity shipped: 1/2 gallon  
TSDF: ISX Services, Reidsville, NC  
US EPA Hazardous Waste Code(s): U003

### II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

### III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORR Signature William S. Shorr Date 7/18/90  
(309) 782-7855

U003

FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official      Roland Cain  
Title         Account Executive  
Company       Rollins                      [Incinerate]  
Address       Deer Park, TX  
Telephone #   713-479-6001

Date of        12 June 1989  
Contact

=====

Official      John P. Nerger  
Title         Customer Service Rep  
Company       Marisol Inc.                      [recycle , recovery]  
Address       Middlesex, NJ  
Telephone #   201-469-5100

Date of        12 JUNE 1989  
Contact

=====

Official      Steadman Matthews  
Title         Sales Rep  
Company       Caldwell Systems                      [fuel blending]  
Address       Lenoir, NC  
Telephone #   704-396-2308

Date of        12 June 1989  
Contact



2-21-93  
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## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

THERMAL DESTRUCTION

## Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

## I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL3329261-B  
Address 346 154 Rock Island, IL 61299 EPA ID# IL5210021833  
Telephone No. 309-782-1619

Waste stream: Benzene  
Quantity shipped: 1 gallon  
TSDF: BSX Services, Reidsville, NC  
US EPA Hazardous Waste Code(s): U019

## I. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

## III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORE Signature William S. Shore Date 4/18/90  
(309) 782 7855

## FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Mike Kahatri

Title Tech. Representative

[INCINERATION]

Company Rollins Environmental

Address Deer Park, Texas

Telephone No. 713-479-6001

Date of Contact 1 Jan 1989

Official Denise Alpe

[INCINERATION]

Title Sales Representative

Company ENSCO

Address El Dorado, Arkansas

Telephone No. 501-223-4115

Date of Contact 18 January 1989

Official Tom Dill

Title Regional Manager

[recycling recovery]

Company Solvent Recovery Service INC

Address Linden, New Jersey

Telephone No. 201-862-2000

Date of Contact 1 February 1989



## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen.

THERMAL DESTRUCTION

## Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

## I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL3329261-B

Address Box 154, Rock Island, IL 61299 EPA ID# IL5210021933

Telephone No. 309-782-1619

Waste stream: n-Butanol

Quantity shipped: 2 Gallon

TSDF: 85X Services, Reidsville, NC

US EPA Hazardous Waste Code(s): U031

## I. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

## III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORE Signature William S. Shore Date 4/19/90  
(309 782 7855)

## FACILITIES CONTACTED

1. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Tom Dill

Title Regional Manager

Company Safety Kleen

[Solvent Recovery]

Address Linden Park, NJ

Tele # 201-862-2000

Date of Contact 1 February 1989

=====

Official Sharon Pilachewski

Title Sales Representative

Company SCA-Chicago

[Incineration]

Address 1000 E. 111th St.  
Chicago, IL 60628

Tele # 312-646-5700

Date of Contact 11 November 1988

=====

Official John Nerger

[recycling/recovery]

Title Sales Representative

Company Marisol

Address Middlesex, New Jersey

Tele # 201-469-5100

Date of Contact 1 February 1989

=====



TREATMENT

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WMD RCRA  
RECORD CENTER

2-21-93

Comp

1844

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

THERMAL DESTRUCTION

Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL3329261-B

Address Bldg. 154, Rock Island, IL EPA ID# IL5210021833

Telephone No. 309-782-1619

Waste stream: Epichlorohydrin

Quantity shipped: 402

TSDF: GSX Services, Reidsville, NC

US EPA Hazardous Waste Code(s): U041

II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORR Signature William S. Shorr Date 4/18/90  
(309) 782 7855

## FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Patty Hart

Title Sales Rep

Company Chemical Waste Management

Address Oak Brook, Illinois

Telephone No. 1-800-843-3604

Date of Contact 1 FEB 1989

Method Incineration

Official Don Harper

Title Plant Manager

Company Medusa Cement

Address Wampum, Pennsylvania

Telephone No. 814-724-8526

Date of Contact 2 FEB 1989

Method Fuel blending

Official John P. Neger

Title Marketing Rep

Company Marisol Inc.

Address Middlesex, N.J.

Telephone No. 201-469-5100

Date of Contact 13 March 1989

Method Recycling recovery



1845

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2-21-93

## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

THERMAL DESTRUCTION

## Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

## I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL 3329261-B

Address BLK 154, Rock Island, IL 61299 EPA ID# IL52100218.3.3

Telephone No. 309-782-1619

Waste stream: c-Dichlorobenzene

Quantity shipped: \_\_\_\_\_

TSDF: \_\_\_\_\_

US EPA Hazardous Waste Code(s): U070

## I. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

## III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORE Signature William S. Shore Date \_\_\_\_\_  
(309) 782 7855

U070

FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Roland Cain

Title Account Executive

Company Rollins [Incinerate]

Address Deer Park, TX

Telephone # 713-479-6001

Date of 12 June 1989  
Contact

=====

Official John P. Neger

Title Customer Service Rep

Company Marisol Inc. [recycle , recovery]

Address Middlesex, NJ

Telephone # 201-469-5100

Date of 12 JUNE 1989  
Contact

=====

Official Steadman Matthews

Title Sales Rep

Company Caldwell Systems [fuel blending]

Address Lenoir, NC

Telephone # 704-396-2308

Date of 12 June 1989  
Contact



2-21-93  
Comp

TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

THERMAL DESTRUCTION

Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL3329261-B

Address Bldg 154 Rock Island IL EPA ID# IL5216021833  
309-782-1614 6299

Waste stream: Naphthalene  
Quantity shipped: 32 03  
TSDF: OSX Services, Reidsville, NC (NC 00064851)  
US EPA Hazardous Waste Code(s): U165

II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a) (1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORR Signature William S. Shorr Date 4/18/90  
Telephone # 309 782 7588

U165

FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Roland Cain

Title Account Executive

Company Rollins

[Incinerate]

Address Deer Park, TX

Telephone # 713-479-6001

Date of 12 June 1989  
Contact

=====

Official John F. Nerger

Title Customer Service Rep

Company Marisol Inc.

[recycle , recovery]

Address Middlesex, NJ

Telephone # 201-469-5100

Date of 12 JUNE 1989  
Contact

=====

Official Steadman Matthews

Title Sales Rep

Company Caldwell Systems

[fuel blending]

Address Lenoir, NC

Telephone # 704-396-2308

Date of 12 June 1989  
Contact



2-21-93  
Comp

TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

THERMAL DESTRUCTION

Comments

DUE TO THE SMALL QUANTITY GENERATED, DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL 3329261-B  
Address 606 154 Rock Island, IL EPA ID# IL 521 0021833  
Telephone No. 309-782-1619 61299  
Waste stream: Phenol  
Quantity shipped: 1/2 PINT  
TSDF: OSX Services, Reidsville, NC  
US EPA Hazardous Waste Code(s): U188

II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a) (1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORE Signature William S Shore Date 4/18/90  
(309) 782 7855

## FACILITIES CONTACTED

1. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Rick Orlet

Title Sales Representative

Fuels blending

Company Clavton Chemical

Address Sauget, Illinois

Telephone No. 618-271-0496

Date of Contact 1 Jan 1989

Official Paul Keller

Title Customer Service Rep

Fuels blending

Company Solvent Resource Recovery (SWM)

Address W. Carrollton, Ohio

Telephone No. 513-859-6101

Date of Contact 19 Dec 1989

Official Denise Alpe

Title Sales Representative

Incineration

Company ENSCO

Address El Dorado, Arkansas

Telephone No. 501-223-4115

Date of Contact 18 January 1989

Official Mike Kahatri

Title Technical Representative

Company Rollins

Incineration



Comp  
2-21-93

## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

THERMAL DESTRUCTION

## Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

## I. Generator Identification Information

Name Rock Island Arsenal Manifest No. IL 3329261-B

Address Bldg. 154, Rock Island IL EPA ID# IL5210021833  
61249

Telephone No. 309-792-1619

Waste stream: Pyridine

Quantity shipped: 1 gallon

TSDF: ASX Services, Reidsville, NC

US EPA Hazardous Waste Code(s): U196

## I. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

## III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a) (1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORR Signature William S. Shorr Date 9/18/90  
(309) 782 7855

U196

FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Roland Cain

Title Account Executive

Company Rollins [Incinerate]

Address Deer Park, TX

Telephone # 713-479-6001

Date of 12 June 1989  
Contact

=====

Official John F. Nerges

Title Customer Service Rep

Company Marisol Inc. [recycle , recovery]

Address Middlesex, NJ

Telephone # 201-469-5100

Date of 12 JUNE 1989  
Contact

=====

Official Steadman Matthews

Title Sales Rep

Company Caldwell Systems [fuel blending]

Address Lenoir, NC

Telephone # 704-396-2308

Date of 12 June 1989  
Contact



3-21-93

Comp

# TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

## THERMAL DESTRUCTION

### Comments

DUE TO THE SMALL QUANTITY GENERATED, DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

### I. Generator Identification Information

Name Rock Island Arsenal Manifest No. LC 33292 61-B

Address BUN 154 Rock Island, IL 61249 EPA ID# IL5210021833

Telephone No. 309-782-1619

Waste stream: 1,1,2,2-Tetrachloroethane

Quantity shipped: 1 quart

TSDF: GSX Services, Reidsville, NC

US EPA Hazardous Waste Code(s): U209

### I. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

### III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORR Signature William S. Shorr Date 4/10/90  
(309) 782 7855

## FACILITIES CONTACTED

1. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Rhonda Craig  
Title EPA point of contact Soft Hammer Wastes

Company Environmental Protection Agency

Address Washington, D.C.

Telephone No. 202-382-4800

Date of Contact 3 Feb 1989

=====

Official John Nerger

Title Sales Rep

Company Marisol

[Recovery]  
no

Address New Jersey

Tele # 201-469-5100

Date of Contact 03 Mar 1989

=====

Official Sharon Pilaciewski  
Title Sales Rep

Company SCA

Address 1000 E. 111th St  
Chicago, IL 60628

[Incineration]  
yes

Tele # 312-646-5700

Date of Contact 08 Nov 1988

=====

Official Mary Jones  
Title Asst Svc Rep

Company CWM-Solvent Resource Recovery

[Recovery, Blending]  
no

Address Carrollton, OH

Tele # 513-859-6101

Date of Contact 15 Feb 1989



2-21-93

Comp

## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

THERMAL DESTRUCTION

## Comments

DUE TO THE SMALL QUANTITY GENERATED, DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

## I. Generator Identification Information

Name Roh Island Animal Manifest No. IL3329261-B  
Address Bldg. 154, Roh Island, IL EPA ID# IL5210021833  
Telephone No. 309-782-1619 6099  
Waste stream: Carbon Tetrachloride  
Quantity shipped: 3 oz  
TSDF: BSX Services, Reidsville, NC  
US EPA Hazardous Waste Code(s): U211

## II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

## III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S SHORE Signature William S Shore Date 4/18/90

## FACILITIES CONTACTED

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Donna Handling

Title Customer Service Rep

Company Trade Waste Incineration [Incineration]

Address Sauget, IL

Telephone No. 618-271-2904

Date of Contact 15 Nov 1988

Official Kelly Thomas

Title Sales Rep

Company Ensco [Incineration]

Address El Dorado, Arkansas

Telephone No. 501-227-4115

Date of Contact 21 Feb 1989

Official Ray Boyleright

Title Sales Rep

Company Ecolotec Inc.

Address Dayton, OH [recycling]

Telephone No. 513-254-9990

Date of Contact 21 Feb 1989



# TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

## THERMAL DESTRUCTION

### Comments

DUE TO THE SMALL QUANTITY GENERATED, DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

### I. Generator Identification Information

Name Rock Island Arsenal Manifest No. FL 3329261-8  
Address Box 154, Rock Island, IL 61299 EPA ID# IL52100-1833  
Telephone No. 309-782-6129  
Waste stream: Xylene  
Quantity shipped: 1 PINT + 1 gallon  
SDF: GSX Services, Reidsville, NC  
US EPA Hazardous Waste Code(s): U239

### II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

### III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a) (1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name WILLIAM S. SHORE Signature William S. Shore Date 4/18/90  
(309) 782 7855

0239

FACILITIES CONTACTED

1. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Roland Cain

Title Account Executive

Company Rollins [Incinerate]

Address Deer Park, TX

Telephone # 717-479-6001

Date of 12 June 1989  
Contact

=====

Official John P. Nenger

Title Customer Service Rep

Company Marisol Inc. [recycle, recovery]

Address Middlesex, NJ

Telephone # 201-469-5100

Date of 12 JUNE 1989  
Contact

=====

Official Steadman Matthews

Title Sales Rep

Company Caldwell Systems [fuel blending]

Address Lenoir, NC

Telephone # 704-396-2308

Date of 12 June 1989  
Contact





DEPARTMENT OF THE ARMY

ROCK ISLAND ARSENAL  
ROCK ISLAND, ILLINOIS 61299-5000

REPLY TO  
ATTENTION OF:

February 28, 1985

SMCRI-CO

Mr. David A. Stringham  
RCRA Activities  
Region V  
P. O. Box A3587  
Attention: ATKJG  
Chicago, Illinois 60690

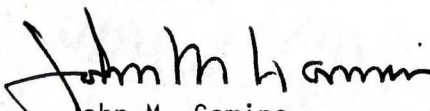
1L5 210 021 833

Dear Mr. Stringham:

As requested in your letter, Ref. 5HS-JCK-13, the form entitled, "Certification Regarding Potential Releases from Solid Waste Management Units," has been completed and is attached.

If there are further questions regarding the past Rock Island Arsenal disposal practices, please contact Dr. William Shore, the Environmental Coordinator, as follows: Commander, Rock Island Arsenal, ATTN: SMCRI-ENM (Dr. W. Shore), Rock Island, Illinois 61299-5000 or telephone FTS 367-5504/4584.

Sincerely,

  
John M. Gamino  
Colonel, Ordnance Corps  
Commanding

Attachments

CERTIFICATION REGARDING POTENTIAL RELEASES FROM  
SOLID WASTE MANAGEMENT UNITS

FACILITY NAME: Rock Island Arsenal

EPA I.D. NUMBER: USEPA IL5210021833

LOCATION CITY: Rock Island

STATE: Illinois

1. Are there any of the following solid waste management units (existing or closed) at your facility? NOTE - DO NOT INCLUDE HAZARDOUS WASTE UNITS CURRENTLY SHOWN IN YOUR PART A APPLICATION

|   | <u>YES</u>    | <u>NO</u>     |
|---|---------------|---------------|
| • Landfill                                      | <u>X</u>      | <u>      </u> |
| • Surface Impoundment                           | <u>      </u> | <u>X</u>      |
| • Land Farm                                     | <u>      </u> | <u>X</u>      |
| • Waste Pile                                    | <u>      </u> | <u>X</u>      |
| • Incinerator                                   | <u>      </u> | <u>X</u>      |
| • Storage Tank (Above Ground)                   | <u>      </u> | <u>X</u>      |
| • Storage Tank (Underground)                    | <u>      </u> | <u>X</u>      |
| • Container Storage Area                        | <u>      </u> | <u>X</u>      |
| • Injection Wells                               | <u>      </u> | <u>X</u>      |
| • Wastewater Treatment Units                    | <u>X</u>      | <u>      </u> |
| • Transfer Stations                             | <u>      </u> | <u>X</u>      |
| • Waste Recycling Operations                    | <u>      </u> | <u>X</u>      |
| • Waste Treatment, Detoxification               | <u>      </u> | <u>X</u>      |
| • Other <u>                                </u> | <u>      </u> | <u>      </u> |

2. If there are "Yes" answers to any of the items in Number 1 above, please provide a description of the wastes that were stored, treated or disposed of in each unit. In particular, please focus on whether or not the wastes would be considered as hazardous wastes or hazardous constituents under RCRA. Also include any available data on quantities or volume of wastes disposed of and the dates of disposal. Please also provide a description of each unit and include capacity, dimensions and location at facility. Provide a site plan if available.

The landfill is described in the RIA Installation Assessment prepared by the U.S. Army Toxic and Hazardous Materials Agency, (USATHAMA) Dec 79, sent to USEPA, Region V, June 8, 1981. Additional copies will be provided on request. The wastewater treatment is an integral part of the metal finishing shop. Releases go only to the sanitary sewer. Standard reduction and metal hydroxide precipitation are used.

NOTE: Hazardous wastes are those identified in 40 CFR 261. Hazardous constituents are those listed in Appendix VIII of 40 CFR Part 261.

*Attach*



3. For the units noted in Number 1 above and also those hazardous waste units in your Part A application, please describe for each unit any data available on any prior or current releases of hazardous wastes or constituents to the environment that may have occurred in the past or may still be occurring.

Please provide the following information

- a. Date of release
- b. Type of waste released
- c. Quantity or volume of waste released
- d. Describe nature of release (i.e., spill, overflow, ruptured pipe or tank, etc.)

The landfill was studied in 1978 by the Harlan Bartholemew Associates,

St. Louis, MO. Their report was the basis for the USATHAMA RIA

assessment. An update of those studies will begin in 1986.

4. In regard to the prior or continuing releases described in Number 3 above, please provide (for each unit) any analytical data that may be available which would describe the nature and extent of environmental contamination that exists as a result of such releases. Please focus on concentrations of hazardous wastes or constituents present in contaminated soil or groundwater.

See 3. above.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the submittal is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (42 U.S.C. 6902 et seq. and 40 CFR 270.11(d))

John M. Gamino, Colonel Ordnance Corps  
Commanding Name and Title

John M. Gamino  
Signature

28 Feb 86

Date

# DA Daily Analytical Laboratories

1621 W. Candletree Drive Peoria, Illinois 61614  
Tel. (309) 692-5252

Department of the Army  
Rock Island Arsenal  
Rock Island, IL 61299-5000  
Commander: R.I. Arsenal  
Attn: SMCRI-SEM (Dr. William Shore)

Date Received: 05/19/89  
Date of Report: 05/26/89  
Work Order: 89-05-467  
Job Number:  
# of Samples: 3

Work ID: 89136 Paint Sludge Bldg 208  
P O # : 88-M-7697

| Test                                       | Units     | Paint Sludge<br>89136 B.208 | Paint Sludge<br>89136 B.208 | IEPA LIMITS |
|--|-----------|-----------------------------|-----------------------------|-------------|
| Silver, Total                              |           |                             |                             | * <5.0      |
|  | mg/kg     | 0.21                        |                             |             |
| Arsenic, Total                             |           |                             |                             | * <5.0      |
|  | mg/kg     | 3.3                         |                             |             |
| Barium, Total                              |           |                             |                             | * <100      |
|  | mg/kg     | 120                         |                             |             |
| Cadmium, Total                             |           |                             |                             | * <1.0      |
|  | mg/kg     | 8.9                         |                             |             |
| Chromium, Total                            |           |                             |                             | * <5.0      |
|  | mg/kg     | 110                         |                             |             |
| Mercury, Total                             |           |                             |                             | * <0.2      |
|  | mg/kg     | <0.011                      |                             |             |
| Lead, Total                                |           |                             |                             | * <5.0      |
|  | mg/kg     | 180                         |                             |             |
| Selenium, Total                            |           |                             |                             | * <1.0      |
|  | mg/kg     | <0.71                       |                             |             |
| Metals Digest, nonaqueous<br>date of prep. |           | 05/22/89                    |                             |             |
| Barium, EP Toxicity                        |           |                             | 0.17                        | <100        |
|  | mg/l      |                             |                             |             |
| Cadmium, EP Toxicity                       |           |                             | <0.005                      | <1.0        |
|  | mg/l      |                             |                             |             |
| Chromium, EP Toxicity                      |           |                             | <0.01                       | <5.0        |
|  | mg/l      |                             |                             |             |
| Lead, EP Toxicity                          |           |                             | <0.02                       | <5.0        |
|  | mg/l      |                             |                             |             |
| EP TOX Extraction<br>date of prep.         |           |                             | 05/22/89                    |             |
| Cyanide, Total                             |           |                             |                             | **          |
|  | mg/kg     | <1.4                        |                             |             |
| Paint Filter                               |           |                             |                             | Pass        |
|  | none      | Fail                        |                             |             |
| Flashpoint                                 |           |                             |                             | >140        |
|  | degrees F | >200                        |                             |             |
| Phenol                                     |           |                             |                             | N/A         |
|  | mg/kg     | 13                          |                             |             |
| pH Nonaqueous                              |           |                             |                             | >2 & <12.5  |
|  | units     | 8.4                         |                             |             |
| Reactive Sulfide                           |           |                             |                             |             |
|  | mg/kg     |                             | 120                         |             |
| Total Sulfide                              |           |                             |                             | **          |
|  | mg/kg     | 170                         |                             |             |



# DA Daily Analytical Laboratories

1621 W. Candletree Drive Peoria, Illinois 61614  
Tel. (309) 692-5252

Page 2  
Received: 05/19/89

DAILY LABS  
05/26/89 15:20:47

REPORT

Work Order # 89-05-467  
Continued From Above

| Test                     | Units | Paint Sludge<br>89136 B.208 | Paint Sludge<br>89136 B.208 | IEPA LIMITS |
|--------------------------|-------|-----------------------------|-----------------------------|-------------|
| Total Organic Carbon     | mg/kg | >78000                      |                             | N/A         |
| Extract. Organic Halogen | mg/kg | 1500                        |                             | N/A         |
| Total Solids             | %w/w  | 56                          |                             | N/A         |

\* If total content is below this limit, EP is not performed.  
Acceptance criteria is based on the EP concentration if these  
analyses are necessary.

\*\* See attached memo.

Certified By:

  
David J. Cirilli, Chemist

# DA Daily Analytical Laboratories

1621 W. Candletree Drive Peoria, Illinois 61614  
Tel. (309) 692-5252

Page 3  
Received: 05/19/89

DAILY LABS

REPORT  
05/26/89 15:20:47

Work Order # 89-05-467

Department of the Army

\*\* Analysis for total sulfide and/or cyanide may be substituted for reactive concentrations if they are equal to or less than 10 ppm. For wastes containing greater than 10 ppm reactive cyanide or reactive sulfide, the generator will be required to provide a signed and dated statement indicating that none of the following have occurred:

- a: The waste has never caused injury to a worker because of H<sub>2</sub>S and/or HCN generation.
- b: That the OSHA work place air concentration limits for H<sub>2</sub>S and/or HCN have not been exceeded in areas where the waste is generated, stored or otherwise handled: or
- c: That air concentrations of H<sub>2</sub>S and/or HCN, above a few ppm, have not been encountered in areas where the waste is generated, stored or otherwise handled.

For waste containing 250 ppm or greater reactive cyanide or 500 ppm or greater reactive sulfide, it is presumed hazardous unless specific information to show it does not present a danger to human health or the environment can be provided.



## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

THERMAL DESTRUCTION

## Comments

DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

## I. Generator Identification Information

Name Rock Island Arsenal Manifest No. NCD 92801 (89-041)  
Address Rock Island, Illinois 61299 EPA ID# IL 521 002 1833

Waste stream: FORMALDEHYDE  
Quantity shipped: 1 QUART  
TSDF: GSX Services Inc, Reidsville, NC EPA# NCD 000648451  
US EPA Hazardous Waste Code(s): U122

## II. Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

## III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a) (1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

DRMS Headquarters, Battle Creek, Michigan

Name Nancy Rheaume

Signature Nancy Rheaume

Date 5/26/89

Prepared by L. Palmer

DRMS-H Telephone # 616-961-5912

This demonstration/certification has been provided to me by the above signed DRMS representative. I am providing copies as required by 40 CFR 268.8.

DRMS Representative

Name William L. Lafrenz

Signature William L. Lafrenz

Telephone # (309) 782-1619

## 22 FORMALDEHYDE

## FACILITIES CONTACTED

1. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Belinda Wright

Title Sales Rep

Company Thermal Kem [Thermal, chemical treatment]

Address Rockhill, South Carolina

Telephone No. 803-324-5310

Date of Contact 2 February 1989

Official Don Seemann

Title Sales Rep

Company Bay Day Chemical [recycling]

Address Santa Clara, California

Telephone No. 408-727-8634

Date of Contact 12 DEC 1988

Official Mary Jones

Title Sales Rep

Company Solvent Resource Recovery [recycling]

Address W. Carrollton, Ohio

Telephone No. 513-859-6101

Date of Contact 15 Feb 1989





Illinois Environmental Protection Agency

2200 Churchill Road, Springfield, IL 62706

→ Part A file

217/782-6762

Refer to: 16181301 -- Rock Island County  
Rock Island/Rock Island Arsenal

IL 5210021833

May 31, 1984

Walter M. Kisner  
Department of the Army  
Rock Island Arsenal  
Rock Island, Illinois 61299

Dear Mr. Kisner:

The Design Criteria dated April 16, 1984 and received at this Agency April 19, 1984 for a hazardous waste storage facility has been reviewed in anticipation of submission of a hazardous waste storage permit application for this facility.

Due to many informational deficiencies, the Design Criteria cannot be fully evaluated for adequacy as a hazardous waste storage facility. A list of the hazardous wastes to be stored, their respective EPA Hazardous Waste Numbers, the exact location and storage plan for each waste and secondary containment specifications are some of the deficiencies. The requirements for a hazardous waste storage facility are found in Section 725 of Title 35, Illinois Administrative Code Subtitle G.

An application for a permit must contain information about waste analyses, inspection procedures, personnel training, preparedness and prevention, contingency plans and emergency procedures, closure, and the use and management of containers, among other things, all as described in the enclosed permit application form. Much of this information is directly related to the design of the hazardous waste storage building.

However, your facility may not require a storage permit. A generator may accumulate hazardous waste on-site for 90 days or less without a permit provided that the requirements of Section 722.134, Accumulation Time, of 35 Ill. Adm. Code are met.

RECEIVED  
JUN 06 1984

WASTE MANAGEMENT  
BRANCH






Page 2

A formal application for a storage permit may be submitted to this Agency by using the enclosed application form in accordance with the attached instructions. In addition to the Illinois EPA application, the United States EPA must be notified of the pending modification to your facility. The USEPA will inform you of any further Federal EPA requirements. Should you have any questions concerning this matter please contact Patricia Murphy at 217/782-6762.

Sincerely,

  
Harry A. Chappel, P.E., Manager  
Facilities Permitting Unit  
Permit Section  
Division of Land Pollution Control

HAC:PMM:ba/1085d/6-7

  
Enclosure

cc: Division File  
Rockford Region  
USEPA Region V



DEFENSE LOGISTICS AGENCY  
DEFENSE REUTILIZATION AND MARKETING SERVICE  
DEFENSE REUTILIZATION AND MARKETING OFFICE  
ROCK ISLAND  
ROCK ISLAND ARSENAL  
BUILDING 154  
ROCK ISLAND, IL 61299-7030



115 210 021 833

IN REPLY  
REFER TO

DRMO-XCI

13 November 1989

RECEIVED  
WMD RCRA  
RECORD CENTER

SUBJECT: Soft Hammer Certification and Demonstration

TO: U.S. Environmental Protection Agency  
Regional Administrator  
Waste Management Division  
230 South Dearborn Street  
Chicago, IL 60604

1. Enclosed please find copies of certification and demonstration forms for waste trichloroethylene, EPA Code U228, shipped for disposal from the Rock Island Arsenal.

*R.S. Leaf*  
R.S. LEAF  
Chief

Encl  
cc SMCRI-SEM

RECEIVED  
NOV 20 1989  
OFFICE OF RCRA  
Waste Management Division  
U.S. EPA, REGION IV

Land Ban Certification  
1989





NOTE: FORM DESIGNED TO PRINT 8 LINES PER INCH.

EPA Form 8700-22 (Rev. 6-89)

Form Approved OMB No 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST   |  | 1. Generator's US EPA ID No.<br>IL5210021833             | Manifest Document No.<br>189101 | 2. Page 1 of 1                                     | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|--|---------------------------------|--|--|
| 3. Generator's Name and Mailing Address<br>Rock Island Arsenal<br>Bldg. 154, Arsenal Island, Rock Island, IL   |  | Location If Different:<br>24 HR EMERGENCY # 309/788-6537 |                                 | A. Illinois Manifest Document Number<br>IL 4193006 |  |
| 4. Generator's Phone (309) 782-1619 61299  |  | 6. US EPA ID Number<br>OKD981605363                      |                                 | B. Illinois Generator's ID<br>1618130001           |  |
| 5. Transporter 1 Company Name<br>Environmental Trans. Services   |  | 7. Transporter 2 Company Name                            |                                 | C. Illinois Transporter's ID<br>17859              |  |
| 9. Designated Facility Name and Site Address<br>GSX Services Inc.<br>RT11 Box 3<br>Reidsville, NC 27320  |  | 10. US EPA ID Number<br>NCD000648451                     |                                 | D. Illinois Transporter's ID<br>800877-1772        |  |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)   |  | 12. Containers   |                                 | 13. Total Quantity                                 | 14. Unit   |
| a. "RQ" Waste Trichloroethylene<br>ORM-A, UN1710   |  | No. Type   |                                 |  | Wt/Vol   |
| b.   |  |  |                                 |  |  |
| c.   |  |  |                                 |  |  |
| d.   |  |  |                                 |  |  |
| 15. Special Handling Instructions and Additional Information   |  | K. Handling Codes for Waste (See Item 14)                |                                 | 1 = Gallons 2 = Cubic Yards                        |  |
| Send all correspondence and billing to:<br>GSX, Inc., PO Box 140, Saukville, WI 53080  |  | DLA-200-89-D-0034  |                                 | DO# 0059   |  |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |  |                                 |  |  |
| Printed/Typed Name<br>WILLIAM S. SHORE William S. LaFrenz  |  | Signature<br>William S. Shore                            |                                 | Date<br>11/06/89                                   |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials  |  | Signature<br>Louie Garter                                |                                 | Date<br>11/06/89                                   |  |
| Printed/Typed Name<br>LOUIE GARTER   |  | Signature  |                                 | Date   |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials  |  | Signature  |                                 | Date   |  |
| Printed/Typed Name   |  | Signature  |                                 | Date   |  |
| 19. Discrepancy Indication Space   |  |  |                                 |  |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.   |  |  |                                 |  |  |
| Printed/Typed Name   |  | Signature  |                                 | Date   |  |





# CUSTOMER NOTIFICATION AND CERTIFICATION

ONLY STATEMENTS WITH ORIGINAL SIGNATURES WILL BE ACCEPTED!

Generator Name/Location: Rock Island Arsenal

EPA ID Number: IL5210021833

Waste Profile or ARF Number: RP 833290

Manifest Number: IL4193006 - 89101

EPA Hazardous Waste Number(s): (U228) ( )

Waste Analysis Available? Yes ☐ No ☒ If yes, please attach copy.

☐ Unrestricted Waste Notification (Category 1)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d).

☐ Restricted Waste Notification (Category 2)

I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 40 CFR 268, Subpart D.

—(2A) Waste must be treated by the appropriate regulatory treatment standard or in such a manner which renders it non-liquid by chemical fixation or solidification prior to land disposal. Corresponding treatment standard \_\_\_\_\_

—(2B) Waste is subject to 40 CFR 268.7(a)(4) and landfilling or placing in a surface impoundment is not allowed unless conditions of category 5 below are met.

☐ Restricted Waste Variance Certification/Notification (Category 3)

I notify pursuant to 40 CFR 268.7(a)(3) and certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Applicable Variance: \_\_\_\_\_

☐ Treated Waste Certification (Category 4)

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☒ Soft Hammer Waste Certification (Category 5)

—(5A) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that disposal in a landfill or surface impoundment is the only practical alternative to treatment currently available. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

—(5B) I certify under penalty of law that the requirements of 40 CFR 268.8(a)(1) have been met and that I have contracted to treat my waste (or will otherwise provide treatment) by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

—(5C) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with treatment as specified in the generator's demonstration. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

☐ Restricted Waste Notification (Category 6)

I notify that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does comply with the treatment standards specified in 40 CFR 268, Subpart D.

SIGNATURE: William S. Shore

DATE: 11/6/89

PRINT NAME: WILLIAM S. SHORE

TITLE: ENVIRONMENTAL COORDINATOR



## TREATMENT

DRMS has made a good faith effort to locate and contract with treatment and recovery facilities practically available (when compared with land disposal) which provide the greatest environmental benefit. DRMS has chosen

### THERMAL DESTRUCTION

#### Comments

DO TO THE SMALL QUANTITY GENERATED, DRMS WAS NOT ABLE TO LOCATE A RECYCLING OUTLET FOR THIS WASTE STREAM

#### I. Generator Identification Information

Name ROCK ISLAND ARSENAL Manifest No. IL 419 3006-89101  
Address DRMO BLDG 154, ROCK ISLAND, IL EPA ID# IL 5210021833

Waste stream: Trichloroethylene  
Quantity shipped: 1 GL  
TSDF: GSX  
US EPA Hazardous Waste Code(s): U228

#### Restricted Waste Notification

This notification is provided IAW 40CFR Part 268.7(a)(4). The above listed waste stream includes waste that is prohibited from disposal in a landfill or surface impoundment unless the wastes are the subject of a valid demonstration and certification pursuant to 40CFR 268.8.

#### III. Certification

I certify under penalty of law that the requirements of 40 CFR Part 268.8(a) (1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

DRMS Headquarters, Battle Creek, Michigan

Name Nancy Rheume

Signature Nancy Rheume

Date 16 Jun 89

Prepared by R. Gendernalik

DRMS-H Telephone # 516-961-5911

This demonstration/certification has been provided to me by the above signed DRMS representative. I am providing copies as required by 40 CFR 268.8.

MO Representative

Name William L. LaFrenz

Signature William L. LaFrenz

Telephone # (309) 782-1619

FACILITIES CONTACTED

U0228

I. In order to determine that the treatment method chosen is the practically available technology which yield the greatest environmental benefit, I have contacted the facility(s) and official(s) listed below:

Official Rhonda Craig

Title EPA point of contact Soft Hammer Wastes

Company Environmental Protection Agency

Address Washington, D.C.

Telephone No. 202-382-4800

Date of Contact 3 Feb 1989

[california list]

Official Paul Keller

Title Customer Service Rep

Company Solvent Resource Recovery (CWM)

recycle/recovery

Address W. Carrollton, Ohio

Telephone No. 513-859-6101

Date of Contact 19 Dec 1989

Official Denise Alpe

Title Sales Representative

Company ENSCO

thermal destruction

Address El Dorado, Arkansas

Telephone No. 501-223-4115

Date of Contact 18 January 1989



MANIFEST # LC493006 - 8901

CONTRACT/D.O. # DCA 200-89-D-0034 D.O. # 59

**SIGNATURE**

DATE \_\_\_\_\_

**C.O.R.**

**SIGNATURE**

DATE \_\_\_\_\_